

CURRICULUM VITAE
ISABELLE M. GERMANO, MD, FACS

ADDRESS: Mount Sinai Medical Center - Box 1136
Department of Neurosurgery
New York (NY) 10029-6574
Phone (212) 241-9638
FAX (212) 831-3324
e-mail: isabelle.germano@msnyuhealth.org

ACADEMIC APPOINTMENTS: Assistant Professor 7/93-6/97
Departments of Neurosurgery and Neurology
Mount Sinai School of Medicine, New York, NY

Associate Professor 7/97-present
Departments of Neurosurgery, Neurology,
And The Ruttenberg Cancer Center
Mount Sinai School of Medicine, New York, NY

HOSPITAL APPOINTMENTS: Assistant Attending 7/93-6/97
Associated Attending 7/97-present
Department of Neurosurgery

Director of Stereotactic, Functional and 7/93-present
Brain Tumor Program

EDUCATION: University of Turin Medical School - M. D. 9/78-7/84

Liceum Classicum M. D'Azeglio - B. A. 10/74-7/78
(Sciences, Latin, Ancient Greek)

POSTGRADUATE TRAINING: Albert Einstein College of Medicine 1/93 -6/93
Neurosurgery Epilepsy Fellow

Montreal Neurological Institute 7/92 - 12/92
Neurosurgery Epilepsy/Stereotaxy Fellow

Albert Einstein College of Medicine 7/90 - 6/92
Neurosurgery Chief Resident

University of Zurich 1/90 - 6/90
Neurosurgery Epilepsy/Stereotaxy Fellow

University of California, San Francisco 7/88 - 6/90
Neurosurgery Resident

University of California, San Francisco 7/87 - 6/88
General Surgery Internship

University of California, San Francisco 5/85 - 6/87
Neurosurgery - Research Fellow

University of Torino, 7/84 - 4/85
Medical School Department of Neurology

CERTIFICATIONS:	American Board of Neurological Surgeons	11/95
	EEC Neurology Board Certified	7/91
LICENSURES:	New Jersey State Medical License (-----)	11/97
	New York State Medical License (-----)	7/90
	California State Medical License (-----)	10/88
	Italian/EEC Medical license	11/84
HONORS/AWARDS/PATENTS:	Best Doctors of New York New York Magazine	2000-2002
	Top Doctors: North America Castle Connolly Guide	2000-2001
	Top Doctors: Metro Area	2000-2001
	FDA-IDE # G000202 (funded by Industry) DBS of STN or Gpi in Parkinsons' Disease	2000-2003
	Fellow American College of Surgeons (FACS)	1998
	FDA-IND # 7009 (funded by Industry) Gene therapy for recurrent malignant gliomas	1997-2003
	American Epilepsy Society Research grant	1995
	American Epilepsy Society Research grant	1994
	The New York Academy of Medicine Charles Elsberg Fellowship	1994
	Women's Medical Assoc. of New York City Mary Putnam Jacobi Award	1994
	American Epilepsy Society W. Penfield Award	1993
	Congress of Neurological Surgeons Clinical fellowship award	1992
	Albert Einstein College of Medicine Leo Davidoff Award	1991
	American Society of Neuroimaging Olendorf Award	1989
	American Society for Magnesium Research International Symposium Invited Speaker	1987
	University of Turin Graduate Neuroscience Thesis Summa cum Laude, High Honors, and Summa Dignitas	1984

Honors/Awards/Patents (continued):

University of Turin Medical School Medical degree Summa cum Laude, High Honors and Summa Dignitas	1984
University of Turin Medical School Valedictorian	1978-1984

OTHER PROFESSIONAL APPOINTMENTS:

-Elected positions in professional societies:

American Association of Neurological Surgeons (AANS):

Young Neurosurgeons Committee	
Member	1998 - 2001
Publication Committee Liaison	1998 – 2001
Member Benefit Development Committee	
Member	2000 - 2003
Outcomes Committee	
Member	2000 – 2003

American Epilepsy Society (AES):

Scientific Committee	
Member	2000-2002

Congress of Neurological Surgeons (CNS):

Executive Committee	
Ex-officio member	1999 - 2002
Leadership Development Chair	1999 - 2002
Information and Technology Committee	2000 - 2003
Scientific Committee	
Luncheon Seminars, Co-Chairman	2002
Open Scientific Session, Co-Chairman	2001
Poster Session, Chairman	2000
Open Scientific Session, Chairman	1999
Practical Courses, Co-Chairman	1998
Public Relations Committee	
Member	1999 – 2002
Resident Committee	
Member	1996
Sergeant-At-Arms	
Member	1994 – 1995

AANS/CNS Joint Section of Functional and Stereotactic Neurosurgery

Scientific Program member	1998
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AANS/CNS Joint Section on Tumors

Executive Committee member	2002-2006
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Women in Neurosurgery

President	1992-1993
Board of Director Member	1993-present

-Intramural/Extramural committees:

<u>Federal Drug Administration (FDA):</u>	
Neurological Devices- Advisory Committee Consultant	2002-2006

<u>National Institute of Health (NIH):</u>	
Neurological Science and Disorders – B Committee	
Ad-Hoc Reviewer	1998
Ad-Hoc Reviewer	1999

Mount Sinai Hospital Committee Nominations:

FPA Advisory Board	1993 - Present
Cancer Committee	1993 - Present
Housing Committee	1999 – 2001
International Committee	2001-2003
Clinical Trial Review Committee	2001-2003

-Elected member to professional societies:

AANS-CNS Joint Section on Tumors	1996
AANS-CNS Joint Section on Stereotaxy	1999
American Association of Neurological Surgeon	1993
American Epilepsy Society	1993
Congress of Neurological Surgeons	1992
Society for Neuroscience	1993
American Association of Women in Medicine	1990
Women in Neurosurgery	1990

TRAINING RECORD:

----- Research Coordinator	7/1995-6/1998
Basic Science Epilepsy Research	
----- Neurosurgery Resident	7/95-6/96
Basic Science Brain Tumor Research	
----- Research Coordinator	8/97-6/99
Image-guided laboratory research	
-----D-Neurosurgery Resident	7/00-6/01
Basic Science Brain Tumor Research	
----- Research Assistant	8/00-4/01
Basic Science Brain Tumor Research	
-----Resarch Assistant	4/01-8/03
Basic Science Brain Tumor Research	

----- Neurosurgery Resident
Basic Science Brain Tumor Research

2-6/03

TEACHING ACTIVITIES:

-The Page and William Black Post-Graduate School of the Mount Sinai School of Medicine

1. Germano IM. Advanced techniques in Image-guided brain and spine surgery. Course Director. New York, December 9-10, 1999
2. Germano IM. Advanced techniques in Image-guided brain and spine surgery. Course Co-Director. New York, December 15-16, 2000
3. Germano IM. Advanced techniques in Image-guided brain and spine surgery. Course Co-Director. New York, December 16-17, 2001
4. Germano IM. Advanced techniques in Image-guided brain and spine surgery. Course Co-Director. New York, December 7-8, 2002
4. Germano IM. Advanced techniques in Image-guided brain and spine surgery. Course Co-Director. New York, December 6-7, 2003

-American Association of Neurological Surgeons

5. Germano IM. Pediatric Epilepsy. Breakfast Seminar, Faculty. American Association of Neurological Surgeons, Denver Colorado. April 12-17, 1997
6. Germano IM. Interactive Image Guided Neurosurgery. Practical Course, Faculty. American Association of Neurological Surgeons, New Orleans, LA, April 24-29, 1999
7. Germano IM. Interactive Image-guided Neurosurgery. Practical Clinic. Faculty. American Association of Neurological Surgeons, San Francisco, April 8-13, 2000
8. Germano IM. Brain mapping and epilepsy surgery. Breakfast Seminar, Faculty. American Association of Neurological Surgeons, San Francisco, April 8-13, 2000
9. Germano IM. Interactive Image-guided Neurosurgery. Practical Clinic. Faculty. American Association of Neurological Surgeons, Chicago, April 6-11, 2002
10. Germano IM. Current technologies and applications for frameless cranial stereotaxy. Breakfast Seminar. Faculty, American Association of Neurological Surgeons, Chicago, April 6-11, 2002
11. Germano IM. Image guided cranial neurosurgery and Intraoperative MRI. Faculty, American Association of Neurological Surgeons, San Diego, April 26-30, 2003
12. Germano IM. Advanced techniques and complications for stereotactic resection of intracranial lesions. Faculty, American Association of Neurological Surgeons, San Diego, April 26-30, 2003

13. Germano IM. Is Epilepsy surgery on Both hemispheres safe and effective?. Discussant, Planary Session, American Association of Neurological Surgeons, San Diego, April 26-30, 2003

14. Germano IM. Image guided surgery. Faculty, Quadrennial meeting of the AANS/CNS Joint section on Stereotactic and Functional Neurosurgery, New York, May 18-21, 2003

-Congress of Neurological Surgeons

15. Germano IM. Treatment of CNS infections. Luncheon Seminar, Faculty. Congress of Neurological Surgeons. September 28-October 3, 1996

16. Germano IM. Pallidotomy for Parkinson's disease: Techniques and outcome. Luncheon Seminar, Faculty. Congress of Neurological Surgeons, New Orleans, LA. September 27 - October 2, 1997

17. Germano IM and Guthrie B. Cranial navigation. Practical Course, Co-Director. Congress of Neurological Surgeons, New Orleans, LA. September 27, 1997

18. Germano IM. Applications of image-guided and endoscopic surgery. Hands on Workshop, Faculty. Medical Educational Resources, Naples, FL, November 21-23, 1997

19. Germano IM. Movement Disorders. Practical Course, Faculty. Congress of Neurological Surgeons, Seattle, Washington. October 3-8, 1998

20. Germano IM. Stereotactic Surgery for Movement Disorders. Luncheon Seminar, Moderator. Congress of Neurological Surgeons, Seattle, Washington. October 3-8, 1998

21. Germano IM. Stereotactic Surgery for Movement Disorders. Luncheon Seminar, Moderator. Congress of Neurological Surgeons, Seattle, Washington. October 3-8, 1998

22. Germano IM and Guthrie B. Neurosurgical Navigation - Cranial. Practical Course, Co-director. Congress of Neurological Surgeons, Seattle, Washington. October 3-8, 1998

23. Germano IM and Barbaro N. Cortical Mapping and Surgery for Epilepsy. Practical Course, Co-director. Congress of Neurological Surgeons, Seattle, Washington. October 3 - 8, 1998

24. Germano IM. Pallidotomy and other surgical treatment for Parkinson's diseases. Luncheon Seminar, Faculty. Congress of Neurological Surgeons Boston, MA, October 30-November 4, 1999

25. Germano IM. Pallidotomy and other surgical treatment for Parkinson's diseases. Luncheon Seminar, Faculty. Congress of Neurological Surgeons Boston, MA, October 30-November 4, 1999

26. Germano IM and Barbaro N. Cortical Mapping and Surgery for Epilepsy. Practical Course, Co-director. Congress of Neurological Surgeons, Boston, MA, October 30-November 4, 1999

27. Germano IM and Maciunas R. Image-guided cranial surgical navigation. . Practical Course, Co-director. Congress of Neurological Surgeons, Boston, MA, October 30-November 4, 1999

28. Germano IM and Maciunas R. Image-guided cranial surgical navigation. . Practical Course, Co-director. Congress of Neurological Surgeons, Boston, MA, October 30-November 4, 1999

29. Germano IM and Foley K. Image-guided cranial surgical navigation. Practical Course, Co-director. Congress of Neurological Surgeons, San Antonio, TX, September 23-28, 2000

30. Germano IM and Barbaro N. Cortical Mapping and Surgery for Epilepsy. Practical Course, Co-director. Congress of Neurological Surgeons, San Antonio, TX, September 23-28, 2000
31. Germano IM and Foley K. Image-guided spinal surgical navigation. Practical Course, Co-director. Congress of Neurological Surgeons, San Antonio, TX, September 23-28, 2000
32. Germano IM. Functional Brain Mapping techniques. Luncheon Seminar, Moderator, Congress of Neurological Surgeons, San Antonio, TX, September 23-28, 2000
33. Germano IM. Cranial navigation. Practical Course, Director. Congress of Neurological Surgeons, San Diego. September 22-27, 2001
34. Germano IM. Spinal navigation. Practical Course, Director. Congress of Neurological Surgeons, San Diego. September 22-27, 2001
35. Germano IM. Epilepsy surgery. Practical Course, Director. Congress of Neurological Surgeons. San Diego, September 22-27, 2001
36. Germano IM. Deep brain stimulation for Parkinson disease. Breakfast Seminar, Faculty. World Congress of Neurosurgery. Sydney, September 16-20, 2001
37. Germano IM. Image guided cranial navigation. Practical Course Director. Congress of Neurological Surgeons. Philadelphia, September 21-26, 2002
38. Germano IM. Image guided spinal navigation. Practical Course Director. Congress of Neurological Surgeons. Philadelphia, September 21-26, 2002
39. Germano IM. Parkinson's disease, dystonia and movement disorders. Luncheon Seminar. Faculty, Congress of Neurological Surgeons. Philadelphia, September 21-26, 2002
40. Germano IM. Stereotactic and Functional Neurosurgery. Platforms presentations. Moderator Congress of Neurological Surgeons. Philadelphia, September 21-26, 2002
41. Germano IM. Stereotactic and Functional Neurosurgery. Platforms presentations. Moderator Congress of Neurological Surgeons. Denver, October 18-23, 2003
42. Germano IM. Surgical treatment of movement disorders. Luncheon Seminar. Faculty, Congress of Neurological Surgeons. Denver, October 18-23, 2003

-Additional post-graduate teaching:

43. Germano IM. Applications of image-guided and endoscopic surgery. Hands on Workshop, Faculty. Medical Educational Resources, Naples, FL, November 21-23, 1997
44. Germano IM. Advanced applications in image-guided Neurosurgery. Hands on Workshop, Faculty. Medical Educational Resources, Naples, FL, March 10-12, 2000
45. Germano IM. Application of the Neuronavigator in Neurosurgery. Hands-on workshop Faculty. III Asian Conference of Neurological Surgeons, Nagoya, Japan, November 5-9, 2000
46. Germano IM. Image-guided brain surgery. Luncheon Seminar, Chairman. III Asian Conference of Neurological Surgeons, Nagoya, Japan, November 5-9, 2000

GRANT SUPPORT:

Past:

1 R01 CA88936-01A1 (S. Kondo, MD) NIH/NCI "Telomerase-specific caspase transfer for gliomas" Co-Investigator	7/01-6/05
5 R03 CA2804-02 (Isabelle M. Germano, MD) NIH/NCI "Gene therapy for recurrent malignant gliomas"	9/99 – 9/01
2 RO1 CA80233-05 (Seiji Kondo, MD) NIH/NCI <i>pending competitive renewal</i> (23.4) Co-Investigator	7/02-6/07
FD–R–001452-01 (Mitchel Brin, MD) FDA-Orphan Product Division Deep brain stimulation for intractable dystonia"	10/97 – 9/99
Medtronic SNT (IM Germano, MD) Unrestricted Educational Grant Image guided Neurosurgery	7/99-6/03
Dean's Research Incentive Mount Sinai School of Medicine Neuronal migration disorders and epilepsy	7/99-6/00
Medtronic SNT (IM Germano, MD) Consultant Image-guided Neurosurgery	7/99-6/00
Medtronic SNT (IM Germano, MD) Consultant Image-guided Neurosurgery	7/98-6/99
Medtronic SNT (IM Germano, MD) Consultant Image-guided Neurosurgery	7/97-6/98
Epilepsy Foundation of America (IM Germano, MD) Research Grant "Developmental aspects of the effects of hyperthermia and hypoxia on seizures in the presence of focal hippocampal damage"	7/95 - 12/96
Epilepsy Foundation of America (IM Germano, MD) Research Grant "The effects of hyperthermia and hypoxia on seizures in the presence of focal hippocampal damage"	6/95 - 6/96
Epilepsy Foundation of America (IM Germano, MD) Research Grant "The role of pre-existing hippocampal injury on seizure susceptibility"	7/93 - 6/94

The New York Academy of Medicine (IM Germano, MD) 7/94-6/95
Elsberg Research Fellowship
"The role of fibroblastic growth factor on the growth of primary brain tumors"

The Women's Medical Association of NYC (IM Germano, MD) 7/94 - 6/95
Mary Putnam Jacobi Fellowship
"The role of fibroblastic growth factor on astrocytes"

Congress of Neurological Surgeons (IM Germano, MD) 1/93 - 6/93
Clinical Fellowship
"Electrophysiological study of in vitro slices of human brain"

Miles Laboratories (IM Germano, MD) 6/87-12/87
Research Grant
"Calcium channel blockers in focal cerebral ischemia"

Society of Magnetic Research in Medicine (IM Germano, MD) 8/86
Research Grant
"MR spectroscopy and imaging in cerebral ischemia"

Italian Society for Research Against Cancer (IM Germano, MD) 4/85 - 6/86
Research Grant
"Immunohistochemistry of childhood brain tumors"

present:

1 R01 CA88936-01A1 (S. Kondo, MD) 7/01-6/05
NIH/NCI
"Telomerase-specific caspase transfer for gliomas"
Co-Investigator

Industry (Medtronic and others) (IM Germano, MD) 7/03-6/04
Unrestricted Educational Grant
Image guided Neurosurgery

FPK Foundation (IM Germano, MD) 7/03-6/05
Research Grant
Brain tumor research

pending:

1 R01 CA88936-01A (2) (IM Germano, MD) 10/03-10/06
NIH/NCI
"Gene therapy for Recurrent Malignant gliomas"

1 R01 DC005818-01A (2) (D. Weisz) 7/03-6/5
NIH
"Functional analysis of compartments of laryngeal muscle"
Co-Investigator

Industry (Medtronic and others) (IM Germano, MD) 7/04-6/06
Unrestricted Educational Grant
Image guided Neurosurgery

PUBLICATIONS

ORIGINAL PEER-REVIEWED ARTICLES:

1. Germano IM, Gracies JM, Weisz DJ, Tse W, Koller WC, Olanow CW. Unilateral stimulation of the subthalamic nucleus in parkinson's disease- a double blind 12-month evaluation study. J Neurosurgery, July 2004
2. Kanzawa T, Germano IM, Komata T, Ito H, Kondo Y, Kondo S. Role of autophagy in temozolomide-induced cytotoxicity for malignant glioma cells. Cell Death Differ 11(4) 448-457 2004
3. Morrison CE, Borod JC, Perrine K, Beric A, Brin MF, Rezai A, Kelly P, Sterio D, Germano I, Weisz D, Olanow CW. Neuropsychological Functioning Following Bilateral Subthalamic Nucleus Stimulation in Parkinson's Disease. Arch Clin Neuropsychol 19(2):165-81, 2004.
4. Kanzawa T, Bedwell J, Kondo Y, Kondo S, Germano IM. Inhibition of DNA repair sensitizes resistant glioma cells to temozolomide. J Neurosurgery 99:1047-1052, 2003
5. Germano IM, Fable J, Gultekin H, Silvers A. Adenovirus/herpes simplex-thymidine kinase/ganciclovir complex: preliminary results of a phase I trial in patients with recurrent malignant gliomas. J Neuro-Oncology 65:279-289, 2003
6. Kanzawa T, Kondo Y, Ito I, Kondo S, Germano IM. Induction of autophagic cell death in malignant glioma cells by arsenic trioxide. Cancer Research 63:2103-2108, 2003
7. Komata T, Kanzawa T, Takeuchi H, Germano IM, Schreiber M, Kondo Y, Kondo S. Antitumor effect of cyclin-dependent kinase inhibitors (p16, p18, p19, p21, and p27) on malignant glioma cells. British Journal of Cancer 88:1277-1280, 2003
8. Yao K, Komata T, Kondo Y, Kanzawa T, Kondo S, Germano IM. Molecular response of human glioblastoma cells to ionizing radiations: cell cycle arrest, CDKI modulation, and Autophagy. J Neurosurgery, 98:378-384, 2003
9. Benveniste R and Germano IM. Evaluation of factors predicting accurate resection of high-grade gliomas using frameless image-guided stereotactic guidance. Neurosurgical Focus, 14:1-4, 2003
10. Komata T, Kondo Y, Kanzawa T, Ito H, Satoshi H, Koga S, Sumiyoshi H, Takakura M, Inoue M, Barna B, Germano I, Kyo S, Kondo S. Caspase-8 gene therapy using the human telomerase reverse transcriptase promoter for malignant glioma cells. Human Gene Therapy 13:1015-1025, 2002
11. Komata T, Koga S, Hiroata S, Takamura M, Germano IM, Inoue M, Kyo S, Kondo S, Kondo Y. A novel treatment of human malignant gliomas in vitro and in vivo: FADD gene transfer under the control of the human telomerase reverse transcriptase gene promoter. Int J Oncol 19:1015-1020, 2001
12. Germano IM, Weisz DJ, Silvers A, Shrivastava R, Yang BY. Surgical techniques for stereotactic implant of deep brain stimulators. Seminars in Neurosurgery 12:213-223, 2001
13. The deep-brain stimulation for Parkinson's Disease study group. Deep brain stimulation of the subthalamic nucleus or the pars interna of the globus pallidus in Parkinson's disease. N Engl J Med, 345:956-963, 2001

14. Komata T, Kondo Y, Kanzawa T, Hirohata S, Koga S, Sumiyoshi H, Srinivasula SM, BarnaBP, Germano IM, Takakura M, Inoue M, Alnemri ES, Shay JW, Kyo S, Kondo S. Treatment of malignant glioma cells with the transfer of constitutively active caspase-6 using the human telomerase catalytic subunit (human reverse transcriptase) gene promoter. *Cancer Res* 61:5796-5802, 2001
15. Walker RH, Danisi FO, Swope DM, Goodman RR, Germano IM, Brin MF. Intrathecal baclofen for dystonia: Benefits and complications during six years experience. *Movement Disorders* 15:1242-1247, 2000.
16. Morrison CE, Borod JC, Brin MF, Raskin SA, Germano IM, Weisz DJ, Olanow CW. A program for neurophysiological investigation of deep brain stimulation (PNIDBS) in movement disorder patients: development, feasibility, and preliminary data. *Neuropsychiatry, Neuropsychology, and Behavioral Neurology* 13(3): 204-219, 2000.
17. Germano IM, Villalobos H, Silvers A, Post K. Clinical Use of the Neurostation for Intracranial Computer-Assisted Neuronavigation. *Neurosurgery* 45:261-270, 1999
18. Villalobos H and Germano IM. Clinical evaluation of multimodality registration in frameless stereotaxy. *Computer Aided Surgery* 4:45-49, 1999
19. Germano IM, Sperber EF, Ahuja S, Moshe SL. Evidence of Enhanced Kindling and Hippocampal Neuronal Injury in Immature Rats with Neuronal Migration Disorders. *Epilepsia* 39:1253-1260, 1998
20. Germano IM and Queenan JV. The optical digitizer for interactive, image-guided brain needle biopsy in 16 cases. *Computer Aided Surgery*, 3:33-39, 1998
21. Germano IM and Sperber EF. Transplacentally induced neuronal migration disorders: an animal model for the study of the epilepsies. *J Neuroscience Research* 51:473-488, 1998
22. Ahuja S and Germano IM. Anticonvulsant and neuronal protective effects of propofol on experimental status epilepticus. *J Epilepsy*, 11:168-176, 1998
23. Germano IM and Sperber EF. Increased seizure susceptibility in adult rats with neuronal migration disorders. *Brain Research*, 777:219-222, 1997
24. Segal DH, Germano IM, Bederson JB. Effects of basic fibroblast growth factor on in vivo cerebral tumorigenesis. *Neurosurgery*, 40:1027-1033, 1997
25. Germano IM. Trans-sulcal approach to mesiotemporal lesions: Anatomy and technique. *Neurosurgical Focus*, 1(5):1-12, 1996
26. Brisman M, Bederson J, Germano I, Sen, C, Moore F, Post K. Intracerebral hemorrhage remote from craniotomy site. *Neurosurgery*, 39:1114-1122, 1996
27. Germano IM, Zhang YF, Sperber EF, Moshe SL. Neuronal migration disorders increase the susceptibility to hyperthermia-induced seizures in the rat. *Epilepsia*, 37(9):902-910, 1996
28. Lorberboym M, Estok L, Machac J, Germano I, Sacher M, Feldman R, Wallach F, Dorfman D. Rapid differential diagnosis of cerebral toxoplasmosis and primary CNS lymphoma by thallium-201 SPECT. *J Nuclear Med*, 37:1150-1154, 1996

29. Mandell LR, Lorberboym M, Mosesson R, Germano I, Linzer D, Tabert A, DeWyngaert JK. Preliminary results of thallium-201 SPECT scanning in the postradiosurgery management of malignant brain tumors: a step closer toward clinical histopathologic interpretation. *Radiosurgery*, 1:113-126, 1996
30. Shiao J and Germano I. Gadopentetate-induced status epilepticus. *J Epilepsy*, 8:306-308, 1995
31. Bederson JB, Germano IM, Guarino L. Cortical blood flow and cerebral perfusion pressure in a new non-craniotomy model of subarachnoid hemorrhage in the rat. *Stroke*, 26:1086-1092, 1995
32. Germano IM. The Neuro-station system for image-guided frameless stereotaxy. *Neurosurgery*, 37:348-350, 1995
33. Olivier A, Germano IM, Cukiert A, Peters T. Frameless stereotaxy for surgery of the epilepsies. *J Neurosurg*, 81:629-633, 1994
34. Germano IM, Poulin N, Olivier A. Reoperation for temporal lobe epilepsy. *J Neurosurg*, 80:31-36, 1994
35. Germano IM, Edwards M, Davis RL, Schiffer D. Intracranial meningiomas of the first two decades of life. *J Neurosurg*, 80:447-453, 1994
36. Germano IM, Davis RL, Wilson CB, Hieshima GB. Histopathological Follow-up of 66 cerebral arteriovenous malformations after therapeutic embolization with polyvinyl alcohol. *J Neurosurg*, 76:607-614, 1992
37. Cohen Y, Chang LH, Litt L, Kim F, Severinghaus JW, Weinstein PR, Davis RL, Germano IM, James TL. Stability of brain intracellular lactate and ³¹P-metabolite levels at reduced intracellular pH during prolonged hypercapnia in rats. *J Cereb Blood Flow Metab*, 10: 277-284, 1990
38. Germano IM, Ito M, Cho K, Hoshino T, Davis R, Wilson C: Correlation of histopathological features and proliferative potential of individual gliomas. *J Neurosurg*, 70:701-706, 1989
39. Germano IM, Pitts L, Berry I, Moseley M: Magnetic resonance imaging (MRI) and spectroscopy (MRS) for evaluating focal cerebral ischemia. *J Neurosurg*, 70:612-618, 1989
40. Germano IM, Pitts L, Berry I, DeArmond S: High energy phosphate metabolism in experimental permanent focal cerebral ischemia: An in vivo ³¹P magnetic resonance spectroscopy study. *J Cereb Blood Flow Metab*, 8:24-31, 1988
41. Germano IM, Pitts L, Meldrum B, Bartkowski H, Simon R: Kynurenate inhibition of cell excitation decreases stroke size and deficits. *Ann Neurol*, 22:730-734, 1987
42. Germano IM, Bartkowski H, Cassel M, Pitts L: The therapeutic value of nimodipine in experimental focal cerebral ischemia: Neurological outcome and neuropathological findings. *J Neurosurg*, 67:81-87, 1987
43. Schiffer D, Giordana MT, Germano IM, Mauro A: Anaplasia and heterogeneity of GFAP expression in gliomas. *Tumori*, 72: 163-170, 1986

44. Bederson J, Pitts L, Germano IM, Nishimura M, Davis R, Bartkowsky H: Evaluation of 2,3,5-triphenyltetrazolium chloride as a stain for detection and quantification of experimental cerebral infarction in rats. *Stroke*, 17:1304-1308, 1986
45. Schiffer D, Giordana MT, Mauro A, Migheli A, Germano IM, Giaccone G: Immunohistochemical demonstration of vimentin in human cerebral tumors. *Acta Neuropath*, 70:209-219, 1986
46. Germano IM, Bartkowski HM, Berry I, Moseley M, Brant-Zawadski M, Pitts L: Magnetic resonance imaging in the evaluation of nimodipine-treated acute experimental focal cerebral ischemia. *Acta Radiol*, S369:49-52, 1986
47. Berry I, Moseley M, Germano IM, Ishige N, Nishimura M, Bartkowski H, Pitts L, Brant-Zawadski M: Combined magnetic resonance imaging and spectroscopy in experimental regional injury of the brain. *Acta Radiol*, S369:338-349, 1986
48. Mauro A, Germano IM, Giaccone G, Giordana G, Mauro A, Micheli A, Schiffer D: 1-naphthol-basic dye (1NBD): An alternative to diaminobenzodiazepine in immunoperoxidase techniques. *Histochemistry*, 83:97-102, 1985
49. Giordana MT, Germano IM, Giaccone G, Mauro A, Migheli A, Schiffer D: The distribution of laminin in human brain tumors: An immunohistochemical study. *Acta Neuropath*, 67:51-57, 1985
50. Mauro A, Bertolotto A, Germano IM, Giaccone G, Giordana MT, Migheli A, Schiffer D: Collagenase in the immunohistochemical demonstration of laminin, fibronectin, and factor VIII/RAg in nervous tissue after fixation. *Histochemistry*, 80:157-163, 1984
51. Germano IM: Immunohistochemistry of the central nervous system: The neuroepithelial markers. 1-134, Turin Medical Press, Turin 1984

PUBLISHED ABSTRACTS/CASE REPORTS:

1. Komata T, Kondo Y, Kawanza T, Hirohata S, Koga S, Sumiyoshi H, Takakura M, Inoue M, Tanaka R, Germano IM, Kyo S, Kondo S. A novel targeted-caspase gene therapy using the human telomerase reverse transcriptase (hTERT) gene promoter for malignant glioma cells. *J Neuro-Onc* 2001
2. Morrison C, Borod J, Perrine K, Beric A, Brin M, Rezai A, Kelly P, Stereo G, Zgaljardic, Germano IM, Weisz D, Gracies JM, Olanow CW. Cognition and subthalamic nucleus (STN) stimulation in Parkinson's diseases. *J Intern Neuropsych Soc*, 7 (2):129, 2001
3. Walker RH, Reichler B, Germano IM, Brin MF. Spasticity in Friedreich's Ataxia Treated with Intrathecal Baclofen. *Movement Disorders*, 15(2):420-421, 2000.
4. CE Morrison, Borod JC, Danisi F, Germano IM, Weisz D, Olanow CW, Brin MF. Cognition and Deep Brain Stimulation in Two Dystonia Patients. *Movement Disorders*, 13(2):25, 1998.
5. Gracies JM, Bucobo JC, Danisi F, Germano IM, Brin MF, Olanow CW. Proposal for a method of stimulation parameter adjustment after deep brain stimulation for Parkinson's disease (PD). *Movement Disorders*, 13(2):50, 1998
6. Walker RH, Danisi FO, Germano IM, Goodman RR, Brin MF. Equipment-related complications of intrathecal baclofen therapy. *Movement Disorders*, 13(2):69, 1998.

7. Germano IM, Villalobos H, Weisz D, Brin MF, Olanow CW. Image-guided computer-assisted technology as adjuvant for placement of dep brain stimulators. *Movement Disorders*, 13(2):264, 1998.
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1. Malignant Gliomas. Isabelle M. Germano (editor), *Neurosurgical Focus Vol 14*, AANS Charlottesville, VA, February 2003
2. Advanced techniques in image-guided Neurosurgery. Isabelle M Germano (editor), Thieme Publishers, NY, 2002
3. Advances in Neurosurgical Treatment of Functional Disorders. Isabelle M Germano (editor), *Seminars in Neurosurgery*, Volume 12, Thieme, NY, 2001

4. LINAC and gamma knife neurosurgery. Isabelle M Germano (editor), AANS Publications Committee, Park Ridge, IL, 2000, pp1-296

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CHAPTERS:

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2. Germano IM and Bucholz RD. Historical remarks. In: Germano IM (ed) Advanced techniques in image-guided Neurosurgery, Thieme Publisher, NY 2001, pp 1-10

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6. Germano IM, Villalobos H, Mandell L. LINAC for brain metastasis. In: Germano IM (ed.), Radiosurgery. AANS Publication Committee, Park Ridge, IL, pp177-188, 1999

7. Schwartz A and Germano IM. Stereotactic biopsy: Indications and Technique. In: Hall WA and McCutcheon IE (eds.), Infections in Neurosurgery. AANS Publication Committee, Park Ridge, IL, pp177-188, 1999

8. Sperber EF, Germano IM, Friedman LK, Romero MT. The Resiliency of the Immature Brain to Seizure Induced Damage. In: Nehlig A, Motte J (eds.) Childhood Epilepsies and Brain Development. John Libbey and Co., London, pp. 255-262, 1999

9. Germano IM, Kanev P, Maxwell R, Schiff S. Surgical Treatment of Pediatric Epilepsy. In: Fisher WS (ed.), Perspective in Neurological Surgery. Thieme, NY, Vol. 9(2). pp. 101-110, 1999

10. Germano IM. Chronic deep brain stimulation: Indications and techniques. In: Germano IM (ed), Neurosurgical treatment of movement disorders, AANS Publication Committee, Park Ridge, IL, pp 159-168, 1998

11. Germano IM and Heilbrun P. Interactive computer-assisted image-guided technology as an adjuvant to neurosurgery for movement disorders. In: Germano IM (ed), Neurosurgical treatment of movement disorders. AANS Publication Committee, Park Ridge, IL, pp 219-226, 1998

12. Germano IM, Sperber EF, Moshe SL. Experimental aspects of neuronal migration disorders in the juvenile brain. In: Tuxorn I, Holthausen H, Boenigk (eds). Pediatric epilepsy syndromes and their surgical treatment. J. Libbey & Co, London, pp 111-116, 1997

13. Germano IM, Cooper P, Levy R, Roseblum M. Infections of the Central Nervous System. In: Fisher WS (ed), *Perspective in Neurological Surgery*. Thieme, NY, 8:85-93, 1997.
14. Queenan JV and Germano IM. Neurosurgical treatment of epilepsy. In: Tindall G (ed), *Contemporary Neurosurgery*. Williams & Wilkins, Baltimore, MD, 19:1-7, 1997
15. Sperber EF, Veliskova J, Germano IM, Friedman LK. Age Dependent Vulnerability Seizures. In: Delgado-Escueto AV, Wilson W, Olsen RW, Porter RJ. (eds.), *Jasper's Basic Mechanisms of the Epilepsy*. Lippencott-Raven Publisher, NY, 44-49, 1998
16. Germano IM. Trans-sulcal approach to mesiotemporal lesions. In: Rengachary S (ed) *Neurosurgical Operative Atlas*. AANS Publications Committee, Park Ridge, IL, 6:147-56, 1997
17. Germano IM. Epilepsy after subarachnoid hemorrhage. In: Bederson J (ed), *Subarachnoid Hemorrhage: Pathophysiology and treatment*. AANS Publications Committee, Park Ridge, IL, pp117-125, 1997
18. Olivier A, Germano IM. Reoperations in surgical failures. In: S. Shorvon, F. Dreifuss, D. Fish, D. Thomas (eds) *The treatment of epilepsy*. Blackwell Science Ltd, London, pp 772-779, 1996
19. Germano IM, Sperber EF, Moshe SL. Molecular and Experimental Aspects of Neuronal Migration Disorders. In: Guerrini R, Anderman F, Canapichi R, Roger J, Pfanner P (eds) *Dysplasia of the Cerebral Cortex and Epilepsy*, Raven Press, New York, pp 27-34, 1996
20. Germano IM, Velisek L, Moshe L. Developmental Aspects of Childhood Seizures. In: Shinnar S, Amir N, Branski J (eds.) *Pediatric and Adolescent Medicine*, Karger AG, Basel, pp 11-17, 1995

INVITED LECTURES/PRESENTATIONS:

-Invited lectures to national/international meetings

1. Germano IM. Epilepsy surgery. Platform Session Moderator. American Epilepsy Society, Philadelphia, PA, November 30-December 5, 2001
2. Germano IM. Women in Neurosurgery. World Congress of Neurosurgery. Symposium- Faculty. Sydney, Australia, September 16-20, 2001
3. Germano IM. Recent advances in epilepsy surgery. III Asian Conference of Neurological Surgeons, Nagoya, Japan, November 5-9, 2000
4. Germano IM. Women in Neurosurgery: the past and the present. III Asian Conference of Neurological Surgeons, Nagoya, Japan, November 5-9, 2000
5. Germano IM. Update on Neurosurgical treatment of brain tumors. Viting Professor, Department of Neurosurgery, Nagoya University, Nagoya, Japan, November 9, 2000
6. Germano IM. International Symposium on Neuronavigation. Invited faculty. Italian Neurosurgery Society XLIX meeting, Milan, Italy, October 15-19, 2000
7. Germano IM. Do febrile seizures cause temporal lobe epilepsy? A symposium Update. Invited Faculty. American Epilepsy Society, Orlando, FL, December 3-8, 1999

8. Germano IM. It is not brain surgery. Invited Faculty. Dean's Mini-Med education, Mount Sinai School of Medicine, New York, April 18, 2000
9. Germano IM. Computer-Assisted Image-Guided Neurosurgery: A minimally invasive approach. Update in Clinical Neurology. New Jersey Shore Medical Center, NJ. May 12, 1998.
10. Germano IM. La neuronavigazione nella chirurgia vertebro-midollare. Societa Italiana di Neurochirurgia. Italy, Marzo 15-22, 1998.
11. Germano IM. La neuronavigazione nella chirurgia cranio-encefalica. Societa Italiana di Neurochirurgia, Italy, Marzo 15-22, 1998.
12. Germanon IM. Applications of Image Guided and Endoscopic Surgery. Sofamor Danek Symposium, Naples, Florida. November 21-23, 1997
13. Germano, IM. High technology in Neurosurgery. Neurosurgery New York City 19th Annual Post-Graduate Course. December 9-11, 1996
14. Germano IM. Febrile seizures and Neuronal Migration Disorders. Columbia University Department of Neurology. Gertrude H. Sergievsky Center, New York. September 16, 1996.
15. Germano IM. Basic mechanisms of Epilepsy. Session Chairman. European Congress of Epileptology, September 1-5, 1996, The Hague, The Netherlands
16. Germano, IM. Clinical applications of image guided surgery. Hands-on MERI Course on image guided surgery. Sofamor Danek Symposium, Memphis, TN. May 30, 1996
17. Germano, IM. Use of Optical Digitizing System for Frameless Stereotactic Procedures. Neurosurgery New York City 19th Annual Post-Graduate Course, New York, NY. December 6, 1995
18. Germano IM. Experimental aspects on epileptogenesis and cortical dysplasia. Sixth International Epilepsy Symposium, Bielfeld, Germany. March 23-26, 1995
19. Germano IM. Neuronal Migration Disorders and Epilepsy. Columbia University Department of Neurology. Gertrude H. Sergievsky Center, New York, NY. May 16, 1995.

-Presentations to national/international meetings

1. Komata T, Kondo Y, Kawanza T, Hirohata S, Koga S, Sumiyoshi H, Takakura M, Inoue M, Tanaka R, Germano IM, Kyo S, Kondo S. A novel targeted-caspase gene therapy using the human telomerase reverse transcriptase (hTERT) gene promoter for malignant glioma cells. World Federation of Neuro-Oncology, Washington DC, November 15-18, 2001
Platform presentation
2. Yao K, Komata T, Kondo Y, Kondo S, Germano IM. Molecular responses of glioblastoma multiforme to radiation. Congress of Neurological Surgeons. San Diego, CA, September 22-27, 2001
Platform presentation
3. Germano IM, Morgello S, Woo S, Post KD. Gene therapy for recurrent glioblastoma: Interim report. Congress of Neurological Surgeons. San Antonio, TX, September 23-28, 2000
Platform presentation

4. Villalobos H, Weisz DJ, Germano IM. Computerized brain atlas, microelectrode recording, frame based and frameless stereotaxy for placement of deep brain stimulator electrode: Clinical experience. Congress of Neurological Surgeons. Boston, MA, October 30-November 4, 1999
Oral Poster
5. Germano IM, Olanow CW, Gracies JM, Weisz D, Bucobo JC, Silvers A, Brin M. High frequency stimulation of the subthalamic nucleus as a treatment for Parkinson's disease: a 12-month follow-up study. Congress of Neurological Surgeons. Boston, MA, October 30-November 4, 1999
Platform presentation
6. CE Morrison, Borod JC, Danisi F, Germano IM, Weisz D, Olanow CW, Brin MF. Cognition and Deep Brain Stimulation in Two Dystonia Patients. Fifth International Congress of Parkinson's Disease and Movement Disorder, October 10-14, 1998. New York, NY
Poster
7. Gracies JM, Bucobo JC, Danisi F, Germano IM, Brin MF, Olanow CW. Proposal for a method of stimulation parameter adjustment after deep brain stimulation for Parkinson's disease (PD). Fifth International Congress of Parkinson's Disease and Movement Disorder, October 10-14, 1998. New York, NY
Poster
8. Walker RH, Danisi FO, Germano IM, Goodman RR, Brin MF. Equipment-related complications of intrathecal baclofen therapy. Fifth International Congress of Parkinson's Disease and Movement Disorder, October 10-14, 1998. New York, NY
Poster
9. Germano IM, Villalobos H, Weisz D, Brin MF, Olanow CW. Image-guided computer-assisted technology as adjuvant for placement of deep brain stimulators. Fifth International Congress of Parkinson's Disease and Movement Disorder, October 10-14, 1998. New York, NY
Poster
10. Brin MF, Germano IM, Danisi FO, Weisz D, Gracies JM, Eidelberg D, Bucobo J, Olanow CW. Deep Brain Stimulation (DBS) of Pallidum in Intractable Dystonia. Fifth International Congress of Parkinson's Disease and Movement Disorder, October 10-14, 1998. New York, NY
Poster
11. Germano IM and Villalobos H. Computer-Assisted Image-Guided Neurosurgery: A Minimally invasive Approach with Advantages For the Elderly. Congress of Neurological Surgeons, October 3-8, 1998. Seattle, Washington
Poster
12. Ahuja S, Sperber EF, Germano IM, Moshe L. Enhanced Kindling and Seizure-Induced Hippocampal Damage In Developing Rats With Neuronal Migration Disorders. American Epilepsy Society, December 7-10, 1997. Boston Massachusetts
Poster
13. Segal DH, Germano IM. The Optical Digitizer for Computer-Assisted Frameless Stereotactic Intracranial Procedures: Experience in 49 Cases. The American Association of Neurological Surgeons, April 12-17, 1997. Denver, Colorado
Poster

14. Brin MF, Swope D, Germano IM, Cunningham C, Gumprecht W, Eidelberg D. Familial common variable immunodeficiency (CVI) with chorea and ataxia, managed with intrathecal baclofen. The American Neurological Association, October 13-16, 1996. Miami, FL
Platform Presentation
15. Queenan JV and Germano IM. Frameless stereotactic brain needle biopsy for brain tumors. Congress of Neurological Surgeons, September 28-October 3, 1996 Tumor Satellite Symposium
Poster
16. Germano IM and Sperber EF. Neuronal Migration disorders increase the susceptibility to febrile seizures. European Congress of Epileptology, September 1-5, 1996. The Hague, The Netherlands
Platform Presentation
17. Germano IM and Sperber EF. Decreased seizure threshold by cortical dysplasia is not age-related. American Association of Neurological Surgery, April 27-May 5, 1996. Minneapolis, MN
Poster
18. Segal DH, Germano IM, Bederson JB. Effects of basic fibroblast growth factor on in vivo cerebral tumorigenesis. American Association of Neurological Surgery, April 27-May 5 1996. Minneapolis, MN
19. Brisman MH, Germano IM, Morgello S, Simpson D. Is there a role for stereotactic biopsy in AIDS patients with presumed progressive multifocal leukoencephalopathy? American Association of Neurological Surgery, April 27-May 5, 1996. Minneapolis, MN
Poster
20. Germano IM and Sperber EF. Methylation of Nucleic Acid during Neuroblastic Division Induces Experimental Neuronal Migration Disorders. Society of Neuroscience Annual Meeting, November 11-16, 1995. San Diego CA
Platform Presentation
21. Segal DH and Germano IM. The in vivo effects of basic fibroblast growth factor on astrocytes. Society of Neuroscience Annual Meeting, November 11-16, 1995. San Diego, CA
Poster
22. Germano IM. Transulcal approach to mesiotemporal lesions. Congress of Neurological Surgeons, October 14-17, 1995, San Francisco, CA
Poster
23. O'Shea J, Germano IM, Lorberboym M, Morgello S, Estock L. Thallium-201 brain spect as an adjunct to standard neuroimaging in stereotactic brain biopsy. Congress of Neurological Surgeons, October 14-17, 1995. San Francisco, CA
Poster
24. Mandell LR, Loberboym M, Mosesson R, Germano IM, Linzer DG, Tabert A, Dewyngaert JK. Preliminary Results of Thallium - 201 SPECT Scanning in the Post-Radiosurgery Management of Brain Tumor. International Stereotactic Radiosurgery Society, June 14-17, 1995. Boston, MA
Platform Presentation
25. Germano IM, Sperber EF, Freidman LK, Ahuja S. Transplacentally induced neuronal migration disorders: Characterization of an experimental model for the study of the epilepsies. American Association of Neurological Surgeons, Annual Meeting, April 22-27, 1995. Orlando, FL
Poster

26. Segal D, Germano IM, Bederson JB. Effects of basic fibroblastic growth factor on early phases on tumorigenesis. American Association of Neurological Surgeons, Annual Meeting, April 22-27, 1995. Orlando, FL

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27. Bederson JB, Guarino L, Germano IM. Dissociation of cortical blood flow and cerebral perfusion pressure during subarachnoid hemorrhage. American Association of Neurological Surgeons, Annual Meeting, April 22-27, 1995. Orlando FL

Poster

28. Germano IM. Intrinsic epileptogenesis and cortical dysplasia: an animal model? International Bethel-Cleveland Clinic Epilepsy Symposium, March 23-26, 1995. Bielfeld, Germany

Platform Presentation

29. Segal D, Bederson JB, Germano IM. Effects of fibroblast growth factor on temporary regional cerebral ischemia. International Joint conference on stroke, February 9-11, 1994. Charleston, SC

Poster

30. Germano IM and Sperber EF. The effects of neuronal migrational disorders on seizure susceptibility. American Epilepsy Society, December 2-8, 1994. New Orleans, LA

Platform Presentation

31. Germano IM and Olivier A. Reoperation for temporal lobe epilepsy. Congress of Neurological Surgeons, October 1-6, 1994. Chicago, IL

Poster

32. Germano IM, Guarino L, Bederson JB. Changes in cerebral blood flow precede electrographic seizure discharges. Society for Neuroscience. November 13-18, 1994, Miami

Poster

33. Bederson JB, Guarino L, Germano I. Failure of cerebral perfusion pressure changes to account for ischemia caused by subarachnoid hemorrhage: a new experimental model. Society for Neuroscience. November 13-18, 1994. Miami, FL

Poster

34. Germano IM, Sperber EF, Friedman LK, Zuckin LK, Moshe SL. Neuronal migrational disorders and epileptogenesis. European Congress of Epileptology, September 6-10, 1994. Oporto, Portugal

Platform Presentation

35. Germano IM, Olivier A, Cuckiert A, Peters T. Three-dimensional images and robotics for planing of epilepsy surgery. European Congress of Epileptology, September 6-10, 1994. Oporto, Portugal

Platform Presentation

36. Bederson JB, Germano IM, Guarino L. Augmentation of experimental regional ischemia by vertebral artery occlusion. International Joint conference on stroke, February 17-19, 1994. San Diego, CA

Poster

37. Bederson JB, Schwartz A, Germano I. Prediction of stroke size by acute changes in laser doppler flowmetry during middle cerebral artery occlusion. International Joint conference on stroke, February 17-19, 1994. San Diego, CA

Poster

38. Germano IM, Olivier A, Jones-Gotman M, Anderman F. Psycho-social outcome after reoperation for temporal lobe epilepsy. American Epilepsy Society, December 3-9, 1993. Miami, Florida
Platform Presentation

39. Germano IM, Friedman LK, Sperber EF, Zuckin RS, Goldensohn ES, Moshe' SL. Expression of gaba and glutamate receptors in a rat model for epilepsy. Society for Neuroscience, November 7-12, 1993. Washington, DC
Platform Presentation

40. Germano IM, Olivier A, Cukiert A, Peters T. Frameless stereotaxy for surgery of the epilepsies. International Congress of Neurological Surgeons, October 1993. Acapulco, Mexico
Platform Presentation

41. Germano IM, Olivier A, Jones-Gotman M, Anderman F. Surgical, seizure, and social outcome after reoperation for temporal lobe epilepsy. International Epilepsy Meeting, July 3-8, 1993. Oslo
Platform Presentation

42. Legatt AD, Ballaban-Gil K, Germano IM, Kang H, Shinnar S, Moshe' SL. Hippocampal spikes followed by inferior temporal spikes in patients with epilepsy of mesial temporal lobe origin. Academy of Neurology, April 1993. New York, NY.
Poster

43. Germano IM, Edwards M, Davis RL, Schiffer D. Intracranial meningiomas of the first two decades of life. Congress of Neurological Surgeons, November 1-4, 1992. Washington, D.C.
Platform Presentation

44. Germano IM, Yasargil MG, Wiesler OD, HG Wieser. Selective amygdala-hippocampectomy for treatment of temporal lobe epilepsy. American Association of Neurological Surgeons, April 20-25, 1991. New Orleans, LA
Platform Presentation

45. Germano IM, Yasargil MG, Wiesler OD, HG Wieser. The role of magnetic resonance imaging in presurgical evaluation of temporal lobe epilepsy. American Epilepsy Society, November 9-14, 1990. San Diego, CA
Poster

46. Rowley HA, Germano IM, Halbach VV, Tsuruda JS, Norman D. Magnetic resonance imaging in carotid and vertebral artery dissection. November 25-30, 1990. Radiological Society of North America, Chicago, IL
Poster

47. Germano IM, Davis RL, Wilson CB, Hieshima GB. Histopathological findings of cerebral arteriovenous malformations treated by embolization with polyvinyl alcohol. American Association of Neuro-Pathology, June 14-17, 1990. San Francisco, CA
Poster

48. Germano I, Masami I, Hoshino T, Davis R. Correlation between histopathology and in situ cell kinetic: an attempt to improve prognostic-diagnostic criteria of intracranial gliomas. American Association of Neurological Surgeons, April 24-28, 1988. Toronto
Poster

49. Germano I, Pitts LH, Nishimura M, Cassel MB, Bederson J. Temporary Middle Cerebral Artery Occlusion (MCAO): Evaluation of a New Model in the Rat. American Association of Neurological Surgeons, April 24-28, 1988. Toronto
Poster

50. Germano I, Pitts L, Berry I. In vivo metabolism of evolving cerebral infarction: Evaluation of ³¹P Magnetic Resonance Spectroscopy (MRS) and Magnetic resonance Imaging (MRI). First Annual Research Presentation Day, UCSF, February 5, 1988. San Francisco, CA
Platform Presentation

51. Germano I, Pitts L, Berry I, Moseley M. In vivo MRI and T1- T2- relaxation times involving focal cerebral ischemia. Society of Magnetic Resonance in Medicine, 6th Annual Meeting, August 17-21, 1987. New York, NY
Platform Presentation

52. Germano I. Pitts L. Calcium Antagonists in Focal Ischemia: and Update. International Symposium on the Role of Divalent Metals in Critical Care Medicine, American Society for Mg Research, June 24-28, 1987. Honolulu, Hawaii
Platform Presentation (Invited Speaker)

53. Germano I, Pitts L, Bederson J, Nishimura M, Bartkowski H. Effects of nimodipine in experimental acute focal cerebral ischemia. An update. International Symposium on Surgery for Cerebral Stroke. May 24-27, 1987, Sendai, Japan
Platform Presentation

54. Germano I, Pitts L. Magnetic resonance imaging (MRI) and spectroscopy (MRS) for evaluation of evolving focal cerebral ischemia. American Association of Neurological Surgeons, May 3-7, 1987. Dallas, TX
Platform Presentation

55. Germano I, Pitts L, Ishige N, Berry I. Effects of nimodipine pretreatment in experimental head injury. American Association of Neurological Surgeons, May 3-7, 1987. Dallas, TX
Poster

56. Germano I, Pitts L, Davis R. The ischemic penumbra: usefulness of its histopathological evidentiatioin in assessment of treatment. American Association of Neurological Surgeons, May 3-7, 1987. Dallas, TX
Poster

57. Germano I, Pitts L, Berry I, Moseley M. Role of MRI and MRS in evolving cerebral ischemic infarction. 12th International Joint Conference on Stroke and Cerebral Circulation, February 26-28, 1986. Tampa, Florida
Platform Presentation

58. Germano I, Pitts I, Bartkowski H, Davis R. Microscopical visualization of the ischemic penumbra. Effects of nimodipine. 12th International Joint Conference on Stroke and Cerebral Circulation, February 26-28, 1986. Tampa, Florida
Platform Presentation

59. Germano I, Pitts L, Bartkowski, Simon R. Acute focal cerebral ischemia: Time frame protection of excitatory neurotransmission in the rat. 12th International Joint Conference on Stroke and Cerebral Circulation, February 26-28, 1986. Tampa, Florida
Poster

60. Germano I, Pitts L, Ishige N. Experimental brain trauma: effects of pre-injury treatment with nimodipine. International Symposium on calcium antagonists, February 10-13, 1987. New York, NY
Poster

61. Berry I, Germano I, Moseley M, Ogan M, Kucharczyk J, Schmied U, Derugin N, Pitts L, Brash R, Brant-Zawadzki M. Cerebral blood volume assessed by magnetic resonance imaging (MRI) and vascular paramagnetic marker (HSA-GT-DTPA) in experimentally induced regional cerebral ischemia. 72nd Meeting of the Radiology Society of North America, November 30-December 5, 1986. Chicago, IL
Platform Presentation

62. Simon R, Germano I, Meldrum B, Bartkowski H, Pitts L. Attenuation of infarct size and neurologic deficit by inhibition of excitatory neurotransmission following permanent, unilateral, middle cerebral artery occlusion. 111th Annual Meeting of the American Neurological Association, October 5-8, 1986. Boston, MA
Platform Presentation

63. Germano I, Bartkowski H, Davis R, Nishimura M, Berry I, Pitts L. Effects of nimodipine on the ischemic penumbra: A neuropathological study correlated with electroencephalography (EEG), cerebral blood flow (CBF), and magnetic resonance imaging (MRI). X International Congress of Neuropathology, September 7-12, 1986. Stockholm
Platform Presentation

64. Germano I, Bartkowski H, Meldrum B, Pitts L, Simon R. Inhibition of excitatory neurotransmission with kynurenic acid attenuates infarct size and improves neurological outcome following permanent cerebral artery occlusion in the rat. X International Congress of Neuropathology, September 7-12, 1986. Stockholm
Poster

65. Germano I, Bartkowski H, Berry I, Moseley M, Brant-Zawadzki M, Nishimura M, Pitts L. Combined magnetic resonance imaging and ³¹P/¹H spectroscopy in focal cerebral ischemia in the dog. Society of Magnetic resonance in Medicine, August 18-22, 1986. Montreal
Platform Presentation

66. Germano I, Bartkowski H, Berry I, Davis R, Moseley M, Nishimura M, Brant-Zawadzki M, Pitts L. Magnetic resonance imaging (MRI) in the evaluation of nimodipine-treated acute experimental focal cerebral ischemia. Society of Magnetic resonance in Medicine, August 18-22, 1986. Montreal
Poster

67. Germano I, Pitts L, Berry I, Moseley M, Brant-Zawadzki M, Bartkowski H. Focal cerebral ischemia in the rat: ³¹P spectroscopy (MRS) and magnetic resonance imaging (MRI). Society of Magnetic resonance in Medicine, August 18-22, 1986. Montreal
Poster

68. Germano I, Nishimura M, Bartkowski H, Pitts L. Intracardiac perfusion of 2,3,5 triphenyltetrazolium chloride (TTC) for detection and quantification of experimental cerebral infarction. American Association of Neurological Surgeons, April 13-17, 1986. Denver, CO
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